AX-248C

Central Exchange Unit for AX Series

DESCRIPTION:

The AX-248C is a Central Exchange Unit for the AX Integrated Audio & Video Security system. Audio/ Video and/or Audio-only Master or Door Stations connect directly to this unit via homerun CAT-5e wiring and RJ45 jacks.

The AX-248C supports up to 8 Master Stations and up to 24 Door/Sub stations. The AX series can be expanded in increments of 32 for up to 120 Door/ Sub stations with the use of AX-320C add-on CEU's.

The CEU handles the calling and communication signals for the system, as well as providing selective door release outputs, video outputs, DVR trigger outputs, and CO line transfer output. System set-up and a variety of functions are programmed in the CEU with the use of the supplied software. Power is applied directly to the CEU via two PS-2420UL power supplies. The serial connection is for uploading the system programming, for raw RS232 data output, or for system monitoring via supplied program.

The unit can be surface mounted to a wall, desk mounted, or mounted in a standard 19" EIA rack using the supplied mounting brackets.

FEATURES:

- Wiring hub for AX system using CAT-5e cable
- Controls all functionality of AX system
- 8 Master station ports (RJ45)
- 24 Door / sub station ports (RJ45)
- 2 24V DC power supply input terminals
- 24 Door release dry contacts (24V AC/DC 500mA)
- 2 BNC composite video outputs and video switching triggers
- Outputs for AX-320C add-on exchanges to support the maximum capacity of 120 doors (3 AX-320C's max.)
- CO Line transfer output to Viking K-1900-5 programmable auto-dialer
- Rack mountable
- Programmable functionality via supplied software
- Includes USB to serial adaptor and gender changer, software program and Installation & Operation Manual on CD, and QuikStart Guide

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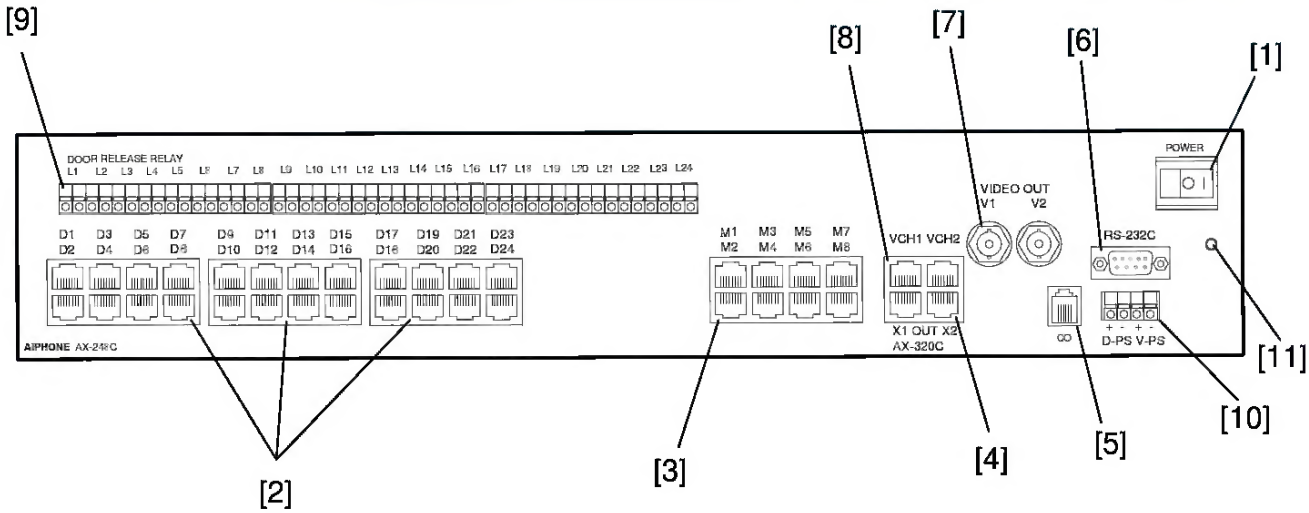
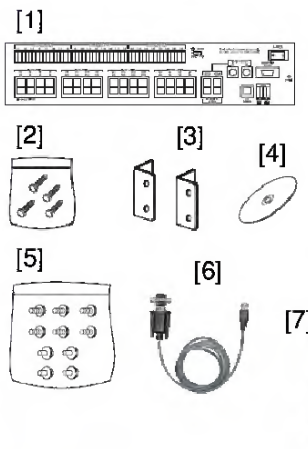
FEATURE CALL-OUTS:



FEATURE CALL-OUT DEFINITIONS:

[1] Power switch
[2] Door station ports
[3] Master station ports
[4] Add-on exchange unit port
[5] CO line port (Viking K-1900-5 auto dialer required)
[6] Program setting / log port
[7] Video output ports
[8] Video output trigger ports
[9] Door release relay ports (L1 corresponds to door station D1, L2 to door station D2, etc.)
[10] Power supply connection terminals
[11] Power/Communications error display LED

PACKAGE CONTENTS:



[1] AX-248C Exchange Unit
[2] Mounting screws
[3] Rack/Wall mounting brackets
[4] Installation CD, including set-up software program and instruction manual
[5] Mounting screws (for 19-inch rack mounting)
[6] USB to serial programming cable with driver
[7] QuikStart Guide

SPECIFICATIONS:

Power Source:	24V DC, 2A (x2) PS-2420UL (1 for audio-only system, 2 for audio/video system)
Current Consumption:	Video (Max) 1.1A, Audio (Max) 1.25A
Door Release Contact:	24V AC/DC, 500mA
Mounting:	Desk, wall, or 19: EIA rack with supplied brackets
Wiring:	RJ45 plugs for CAT-5e homerun wire runs from each master and door/sub 2 Conductor wire from PS-2420UL to power input terminals
CO Line Port:	RJ11 for Viking K-1900-5 programmable auto-dialer
Housing:	Metal
Color:	Black
Operating Temp:	32 – 104 °F (0 ~ 40 ° C)
Dimensions: (HxWxD)	3-7/16" x 1' 6-7/8" x 1' 1-3/16" (88 x 480 x 335 mm)
Weight:	10.35 lbs (4,700g)

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